

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001520

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A01G 23/083

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6318425 B1 (NIEMI, P), 20 November 2001 (20.11.2001), figure 11 --	1-9
Y	EP 0346308 A1 (GRANGÄRDE MASKIN AB), 13 December 1989 (13.12.1989), detail 64, figure --	1-9
Y	WO 0245482 A1 (TIMBERJACK OY), 13 June 2002 (13.06.2002), figures 3,1 --	1-9
A	SE 518240 C2 (PONSSE OYJ), 5 December 1999 (05.12.1999), claims --	1-12

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

7 February 2005

Date of mailing of the international search report

17 -02- 2005

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Kristoffer Ogebjerg/EK

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001520

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2257512 A (KEBA GESELLSCHAFT MBH & CO), 13 January 1993 (13.01.1993), abstract --	1-12
A	WO 9935900 A1 (PLUSTECH OY), 22 July 1999 (22.07.1999), page 7, line 14 - line 19 --	1-12
A	WO 0065900 A1 (LAKO OY), 9 November 2000 (09.11.2000), abstract --	1-12
A	US 5832975 A (HAMBY, T E), 10 November 1998 (10.11.1998), column 4, line 35 - line 40 -- -----	1

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/01/2005

International application No.
PCT/SE 2004/001520

US	6318425	B1	20/11/2001	AU	5626299	A	03/04/2000
				CA	2340447	A	23/03/2000
				DE	19983582	T	30/08/2001
				FI	104531	B	00/00/0000
				FI	981982	D	00/00/0000
				SE	519813	C	15/04/2003
				SE	0100785	A	09/03/2001
				WO	0015025	A	23/03/2000
EP	0346308	A1	13/12/1989	AT	65880	T	15/08/1991
				CA	1317201	A,C	04/05/1993
				DE	68900188	D	00/00/0000
				SE	459796	B,C	07/08/1989
				SE	8802098	D	00/00/0000
				US	4898218	A	06/02/1990
WO	0245482	A1	13/06/2002	AU	1614002	A	18/06/2002
				EP	1345489	A	24/09/2003
				FI	20002671	A	06/06/2002
SE	518240	C2	05/12/1999	FI	106092	B	00/00/0000
				FI	981277	A	05/12/1999
				SE	9902053	A	05/12/1999
GB	2257512	A	13/01/1993	AT	125691	A	15/09/1997
				AT	403738	B	25/05/1998
				DE	4219255	A	07/01/1993
				FR	2678062	A,B	24/12/1992
				GB	9213298	D	00/00/0000
				SE	9201862	A	25/12/1992
WO	9935900	A1	22/07/1999	AU	741264	B	29/11/2001
				AU	2055599	A	02/08/1999
				CA	2283813	A	22/07/1999
				DE	29903155	U	02/06/1999
				DE	69905805	D,T	20/11/2003
				EP	0971577	A,B	19/01/2000
				SE	0971577	T3	
				FI	3445	U	26/06/1998
				FI	980092	A,V	17/07/1999
				NZ	337699	A	26/05/2000
				US	6289957	B	18/09/2001
WO	0065900	A1	09/11/2000	AU	4406800	A	17/11/2000
				FI	109265	B	00/00/0000
				FI	990973	A	30/10/2000
US	5832975	A	10/11/1998	US	5704407	A	06/01/1998